

To: Rumrill, Nancy[Rumrill.Nancy@epa.gov]
Cc: Albright, David[Albright.David@epa.gov]
From: Rao, Kate
Sent: Wed 6/21/2017 5:13:29 PM
Subject: FW: Excelsior revised application

Hi Nancy – Can you let me know if you concur with Cadmus’ proposed approach for Excelsior and if the LOE seem appropriate? Thanks. Kate

Kate Rao
Drinking Water Protection Section (WTR 3-2)
USEPA Region 9
75 Hawthorne St., San Francisco, CA 94105
tel: (415) 972-3533 / fax: (415) 947-3549

From: Shari Ring [mailto:Shari.Ring@cadmusgroup.com]
Sent: Tuesday, June 20, 2017 1:24 PM
To: Rumrill, Nancy <Rumrill.Nancy@epa.gov>; Rao, Kate <Rao.kate@epa.gov>
Cc: JAMES D WALKER <jameswalker5@msn.com>
Subject: RE: Excelsior revised application

Hi Nancy and Kate

Jim and I talked about the activities needed to move forward with the Excelsior review. It appears that there are three components to the review, and given the volume of information to review, we propose prioritizing them as follows:

1. Review the updated permit application to determine whether it is responsive to EPA’s information requests and questions. **Ex. 4 - CBI**
2. Compare the ADEQ APP application and permit to the UIC permit and identify discrepancies. **Ex. 4 - CBI** (assuming we get the final application and permit this week).

3. Update the permit text to incorporate new information; also add appendices and figures from the final application. We can also address your EPA's comments on our June 9 draft, if you can provide comments [Ex. 4 - CBI]

We believe that each of these pieces will take about [Ex. 4 - CBI] to develop and QA (Cadmus and Jim will share the load on this to expedite completing the three pieces). That comes to a total [Ex. 4 - CBI] split between OY1 and OY2.

Is this acceptable?

PS. We are working hard here to get Jim's subcontract in place as soon after July 1 as possible so we don't anticipate any slowdown at this critical time.

Shari Ring

The Cadmus Group, Inc.

703.247.6159

From: Rao, Kate [<mailto:Rao.kate@epa.gov>]
Sent: Monday, June 19, 2017 5:48 PM
To: JAMES D WALKER <jameswalker5@msn.com>; Rumrill, Nancy <Rumrill.Nancy@epa.gov>
Cc: Shari Ring <Shari.Ring@cadmusgroup.com>
Subject: RE: Excelsior revised application

Hi Jim –

Just to clarify, the below TDM covers the tech support items you described in your email on

Ex. 4 - CBI

Please let me know if you need further clarification.

Thanks. Kate

Kate Rao
Drinking Water Protection Section (WTR 3-2)
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75 Hawthorne St., San Francisco, CA 94105
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From: Rao, Kate
Sent: Monday, June 19, 2017 11:57 AM
To: 'JAMES D WALKER' <jameswalker5@msn.com>; Rumrill, Nancy
<Rumrill.Nancy@epa.gov>
Cc: Shari.Ring@cadmusgroup.com
Subject: RE: Excelsior revised application

Shari/Jim/Nancy –

Below is the current TDM for Excelsior and it appears all needed support is listed. As for hours, let me know how many you anticipate for the app review and permit terms.

Thanks. Kate

Contract No. EP-C-15-022, Workplan Assignment No. 1-90

Updated Technical Direction: Excelsior Gunnison Copper Project Class III UIC Permit Application

R9 Tech Support for Implementation of the UIC Program – Excelsior Mining Company - Class III UIC Permit #R9UIC-AZ1-FY-16-1

Task 4 (Project Technical Reviews) & Task 5 (Consultation) & Task 1.2 (Tech Review Analysis)

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Technical Direction

Technical Review and Draft Permit Technical Terms and Conditions

Task 1.2 (Technical Review Analysis)

Background: Excelsior submitted a UIC area permit application to operate a Class III ISR

Ex. 4 - CBI

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AE Record of Decision

We are seeking support from Cadmus to complete the aquifer exemption Record of Decision. Contractor should confirm that the proposed Aquifer Exemption for Excelsior Gunnison Copper Project UIC application has the information needed for the Record of Decision. The prior responses have been reviewed by Cadmus, therefore Attachment S and other parts of the

application should have the information to draft the Record of Decision. Please note any information that may be subject to change upon receipt of additional information. EPA may obtain/request any additional information from ADEQ or have Cadmus modify Figures in the application to complete the record. See model example provided.

Deliverable:

Ex. 4 - CBI

Due Date: **Ex. 4 - CBI** for first draft (via email to Kate Rao, Nancy Rumrill and David Albright). If additional time is needed, please let me know.

Kickoff call: Nancy will coordinate the kickoff call to discuss this item with Jim directly.

Ex. 4 - CBI

Draft Permit Technical Terms and Conditions

Based on Excelsior's agreed upon revision of the UIC application, Cadmus will propose and complete the draft technical terms and conditions to be imposed in the draft permit -operational, monitoring, testing, reporting, etc. for the Proposed Excelsior Gunnison Copper Project.

Ex. 5 - Deliberative Process

Deliverable: Draft permit technical terms and conditions. Identify information from the application to reference for draft permit appendices.

Due Date: **Ex. 4 - CBI** for first draft (via email to Kate Rao, Nancy Rumrill and David Albright). If additional time is needed, please let me know.

Kickoff call: Nancy will coordinate the kickoff call to discuss this item with Jim directly.

Ex. 4 - CBI

Material: Excelsior Gunnison Copper Project UIC permit application and prior responses already

provided to Cadmus (Jim Walker). Upon receipt in approximately 2-3 weeks, a complete e-copy and hardcopy of the Excelsior UIC application submittal.

Model Examples:

Ex. 5 - Deliberative Process

Initial TDM from 11/2016:

Contract No. EP-C-15-022, Workplan Assignment No. 1-90

R9 Tech Support for Implementation of the UIC Program – Excelsior Mining Company - Class III UIC Permit #R9UIC-AZ1-FY-16-1

Task 4 (Project Technical Reviews) & Task 5 (Consultation)

Technical Direction

Background: Excelsior Mining Company (Excelsior) has submitted a UIC area permit application to operate a Class III ISR copper mining facility in Chochise County, AZ.

On 3/24/2016, we issued a TDM requesting a technical review of Excelsior's Class III permit

Ex. 4 - CBI

Under Task 5 (Consultation), the contractor shall make available a staff person to consult, directly with EPA staff and/or on calls with EPA & applicant, on the Excelsior Class III permit application and supporting material.

- o Material: Will be sent prior to call or discussed on call.
- o **Ex. 4 - CBI** per call (includes prep time)

- o **Ex. 4 - CBI**

a. Call scheduled for Tuesday, November 8th from 8:30 am to 11:00 am. Pre-discussion and de-brief discussion may be requested (TBD) and will be organized by Nancy Rumrill as needed.

- [] Material to review: 6/8/2016 Cadmus comments and 10/14/2016 NOD.

- [] **Ex. 4 - CBI** includes prep and calls)

- [] Deliverable: written summary of consultation provided on call.

Under Task 4 (Project Technical Review), the contractor shall provide technical review for revised/updated Excelsior Class III permit documentation and supporting material. The contractor shall incorporate any comments from EPA and shall provide a final draft to the EPA WACOR.

- o Material: same as under Consultation Task and additional material as provided by the applicant.

- o **Ex. 4 - CBI**

- o Deliverable: Prepare written comments in a format agreed upon when tech review is requested.

- o **Ex. 4 - CBI** for each request unless noted otherwise.

Kate Rao
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From: JAMES D WALKER [<mailto:jameswalker5@msn.com>]
Sent: Monday, June 19, 2017 11:46 AM
To: Rumrill, Nancy <Rumrill.Nancy@epa.gov>
Cc: Rao, Kate <Rao.kate@epa.gov>; Shari.Ring@cadmusgroup.com
Subject: RE: Excelsior revised application

Hi Nancy,

I received the Excelsior revised permit application today in hard copy and CD versions. Will the TDM be amended for the time required to review the application and update the draft permit in addition to comparison with the draft APP terms and conditions? When would be a good time to discuss the scope of the work with you? I am available today at 1 or 2 pm Pacific time if that works for you.

I received a notice of cancellation of the biweekly conference call with Excelsior last week. Does that apply to the scheduled call for this coming Thursday?

Thanks,

Jim

From: Rumrill, Nancy
Sent: Thursday, June 15, 2017 5:38 PM
To: JAMES D WALKER
Cc: Rao, Kate
Subject: Excelsior revised application

Hi Jim,

The Gunnison revised application is expected to be sent directly to you. Alison Jones will be fedexing to both of us tomorrow. You can start reviewing it when you receive it. I will not be in tomorrow, but I will be in Monday to discuss the work with you.

Thanks, Nancy

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*Nancy Rumrill ([rumrill.nancy@epa.gov](mailto:rumrill.nancy@epa.gov))*

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